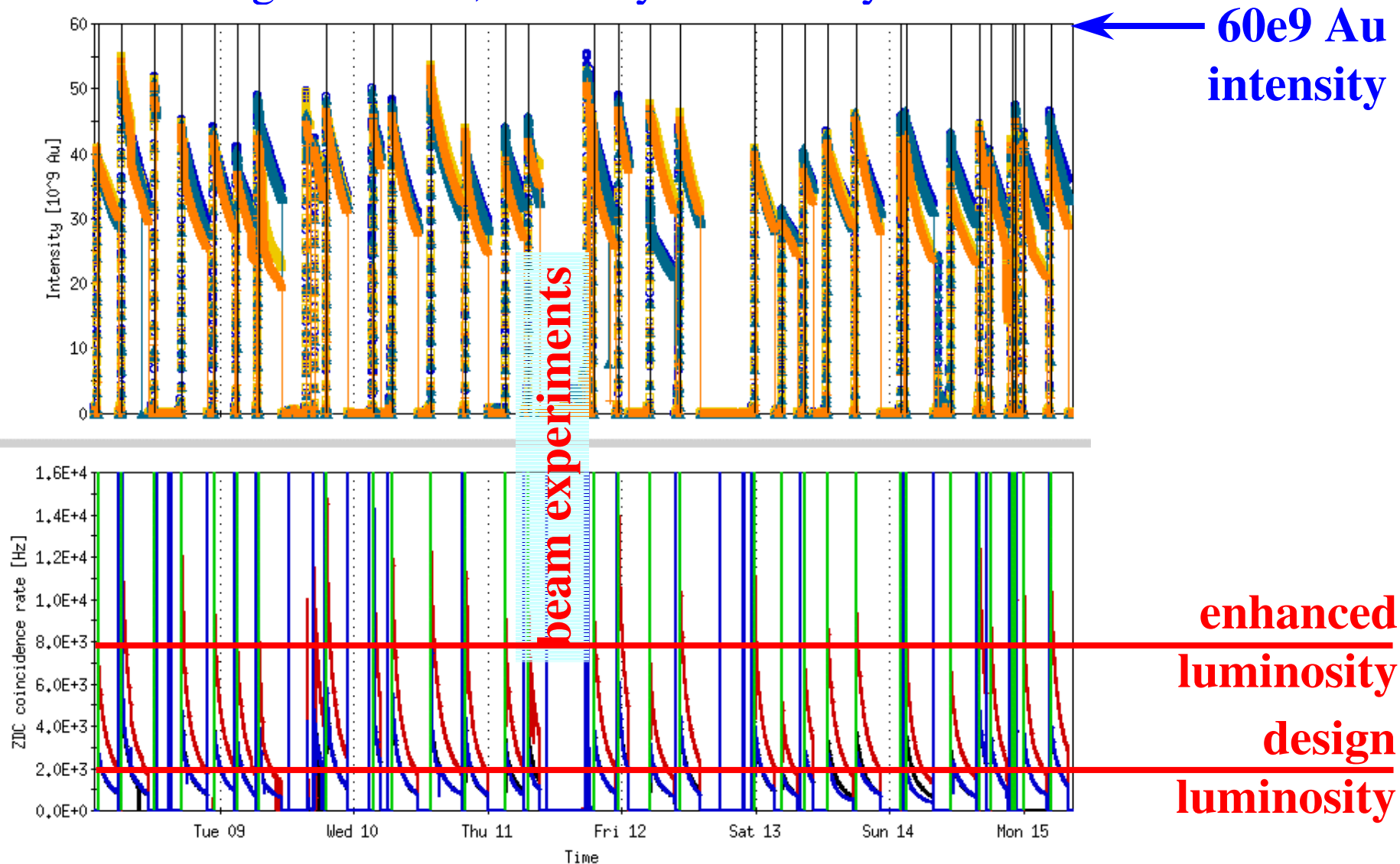


## Problems last week:

- Sudden voltage changes in Yellow storage cavity, leading to debunching
- FEC replacement in alcove 7c
- Yellow main magnet power supply
- 6b permit module (3 times in 24hrs)
- Longitudinal emittance increase during transition crossing
- Low bunch intensity

## Stores during last week, Monday to Monday



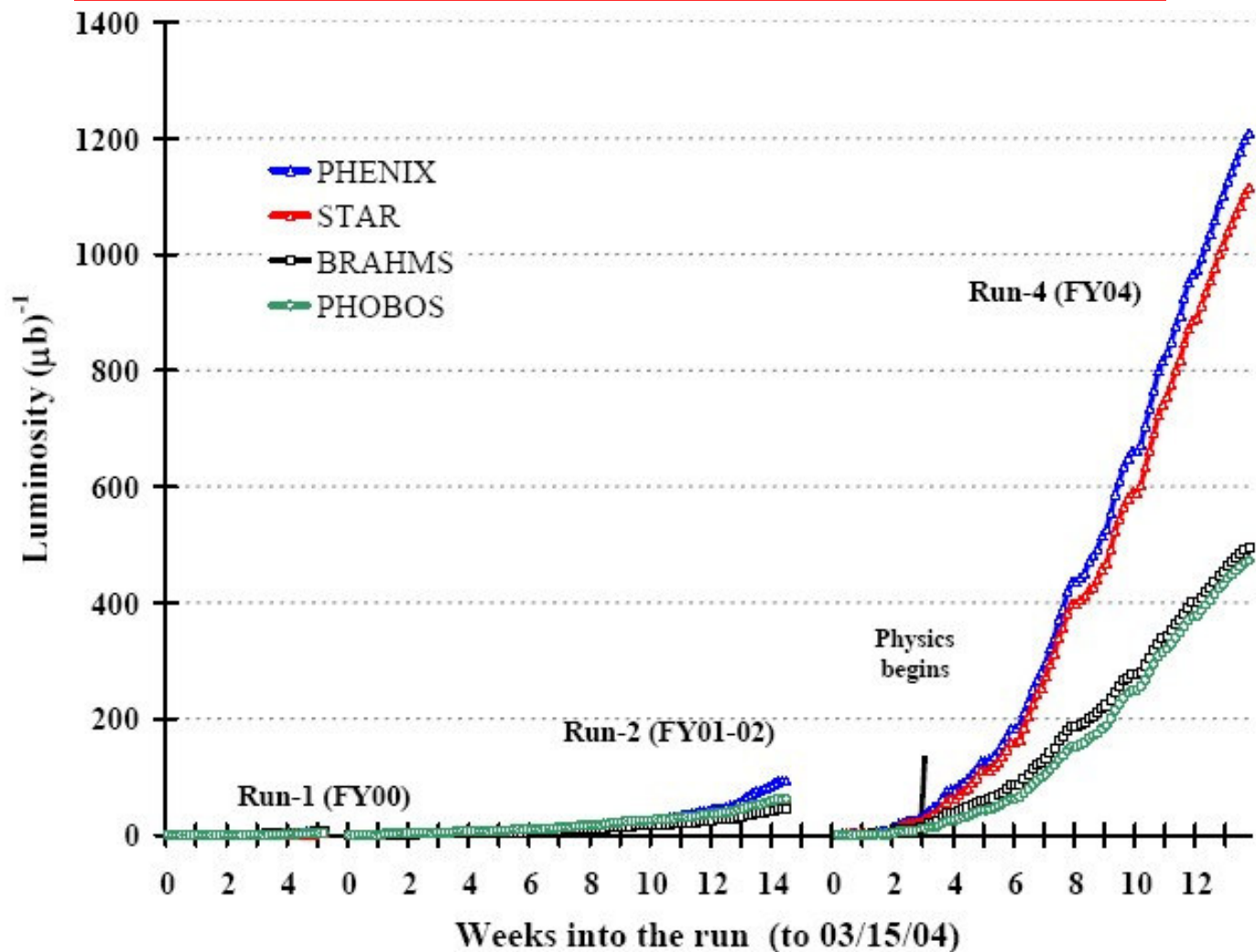
Delivered  $1196 (\mu\text{b})^{-1}$  to Phenix [week ago : 1060]  
 $136 (\mu\text{b})^{-1}$  last week [best week: 158]

As of 03/14/04 24:00

Star  $\times 0.9$

Phobos  $\times 0.3$

Brahms  $\times 0.4$



maximum  
projection

physics target

minimum  
projection

## Some statistics (week 8-Mar to 14-Mar), no maintenance

- No of stores : 26  
Time in store : 98hrs (58% of calendar time)
- Average store time : 3.8hrs
- Av. store-to-store time : 2.6hrs (ex beam experiments)  
Rms store-to-store time: 2.6hrs
- Optimum store length : 2.9hrs (for zero detector turn-on time)

## Low energy run: 31.2GeV/u total beam energy

- Tested ramp without beam (Al, George, Johannes)
- Thursday 8am to 6pm: test ramp with beam
  - Accelerate and store beam, start rf re-commissioning
- Wednesday 24-March, 8am: switch to low energy
  - Need to reach production fast, only small changes after setup
    - 24h shifts scheduled for 3 days
    - Finish ramp development
    - Re-commission rf storage system
    - Other systems (ZDC, BLM gap cleaning, collimation)

